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	Application No.	Applicant(s)	~~~
	10/664,146	ZHANG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Stephen W. Smoot	2813	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in i) or other appropriate commu RIGHTS. This application is so	this application. If not include nication will be mailed in due	ed course. <b>THIS</b>
1. X This communication is responsive to applicant's amendm	ent received on 18 October 20	<u>004</u> .	
2. 🔀 The allowed claim(s) is/are <u>22-35</u> .			
3. 🔀 The drawings filed on <u>27 September 2003 and 18 Octobe</u>	er 2004 are accepted by the Ex	xaminer.	
4. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be subminified in the complete of the priority of the Notice of Draftspering including changes required by the Notice of Draftspering including changes required by the attached Examined Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 7. DEPOSIT OF and/or INFORMATION about the departached Examiner's comment regarding REQUIREMENT	ve been received. ve been received in Application occuments have been received " of this communication to file MENT of this application.  mitted. Note the attached EXA ves reason(s) why the oath or just be submitted. rson's Patent Drawing Review — r's Amendment / Comment or  1.84(c)) should be written on the the header according to 37 CFI osit of BIOLOGICAL MATE	n No. 09/277,880.  I in this national stage applicate a reply complying with the recommendation is deficient.  I (PTO-948) attached in the Office action of the drawings in the front (not the R 1.121(d).	quirements OTICE OF
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB. Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Su Paper No./l /08), 7. ☒ Examiner's A 8. ☒ Examiner's A 9. ☐ Other	formal Patent Application (PTC)  Immary (PTO-413),  Mail Date  Amendment/Comment  Statement of Reasons for Allo	wance

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This Office action is in response to applicant's amendment received on 18 October 2004.

## **EXAMINER'S AMENDMENT**

- 1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 2. The application has been amended as follows:

## In the Claims:

In claim 22, line 8, change "method of comprising" to --method comprising-- to correct an inadvertent change of the original claim 22; and

In claim 23, line 10, change "and active semiconductor layer" to --an active semiconductor layer-- to correct an inadvertent change of the original claim 23.

The replacement drawing sheet corresponding to Figs. 8A-8D was received on
 October 2004. These drawings are acceptable.

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4. Claims 22-35 are allowed.

- 5. The following is an examiner's statement of reasons for allowance:
  - Claims 22-27 are allowed because the prior art of record does not teach or suggest, in combination with the other claim limitations, a method of manufacturing an image display apparatus that includes a plurality of CMOS thin film transistors with the step of non-selectively doping regions of a thin film corresponding to both p-type and n-type transistors with p-type impurities combined with the step of selectively doping regions corresponding to the n-type transistors with additional p-type impurities;
  - Claims 28, 30-32, 34-35 are allowed because the prior art of record does not teach or suggest, in combination with the other claim limitations, a CMOS device that features p-type thin film transistors with channel regions that have a uniform distribution of p-type impurities in a thickness direction of their corresponding active semiconductor layer and n-type thin film transistors with channel regions that have a higher concentration of p-type impurities than the p-type channel regions such that their distribution of p-type impurities has a peak near a surface of their corresponding active semiconductor layer; and
  - Claims 29, 33 are allowed because the prior art of record does not teach or suggest, in combination with the other claim limitations, a CMOS device that features p-type thin film transistors with channel regions that have a broadly changing distribution of p-type impurities in a thickness direction of their

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corresponding active semiconductor layer and n-type thin film transistors with channel regions that have a higher concentration of p-type impurities than the p-type channel regions such that their distribution of p-type impurities has a peak near a surface of their corresponding active semiconductor layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen W. Smoot whose telephone number is 571-272-1698. The examiner can normally be reached on M-F (8:00 am to 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr. can be reached on 571-272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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